

I claim:

1. A fluid filtering device, comprising:

a housing, including a top portion, a wall portion downwardly extending from the periphery of the top portion and an inlet disposed in the top portion to allow the entry of fluid;

a driving device, disposed at the top portion;

a filter, disposed near the bottom surface of the housing; and

a scraping device, including a connecting element driven by the driving device, a scraping element disposed below the connecting element and abutting the upper edge the filter and a flexible element disposed between the connecting element and the scraping element and exerting a constant downward force on the scraping element.

2. The fluid filtering device as claimed in claim 1, wherein the driving device is a motor.

3. The fluid filtering device as claimed in claim 1, wherein the filter and the scraping element are made of porcelain and emery, respectively.

4. The fluid filtering device as claimed in claim 1, wherein the filter has a diameter that is slightly less than the inner diameter of the housing, an inner bottom surface radially extends from the lower rim of the wall portion and at least one outlet provided at the inner bottom surface.

5. The fluid filtering device as claimed in claim 1, wherein the connecting element is a hollow cylinder with an open lower end, and the flexible element is a spring and its upper end is disposed in the cavity of the connecting element.
6. The fluid filtering device as claimed in claim 1, wherein the scraping device has at least one guiding element to guide the scraping element to move in a vertical manner.
7. The fluid filtering device as claimed in claim 1, wherein the bottom part of the scraping element has an inclined design.
8. The fluid filtering device as claimed in claim 1, wherein an inclined weir is provided at the upper part of the interior of the wall portion, and an outlet is provided near the weir so as to allow the discharge of impurities.
9. The fluid filtering device as claimed in claim 1, wherein a tank is provided below the lower side of the housing so as to store the filtered impurities.
10. A fluid filtering device, comprising:
 - a housing, including an end portion, a wall portion downwardly extending from the periphery of the end portion and an inlet disposed in the end portion to allow the entry of fluid;
 - a driving device, disposed at the end portion;

a filter, disposed in the interior of the housing and away from the end portion; and

a scraping device, including a connecting element driven by the driving device, a scraping element disposed at the side that is away from the end portion and abutting the upper edge the filter and a flexible element disposed between the connecting element and the scraping element and exerting a constant downward force on the scraping element.

11. The fluid filtering device as claimed in claim 10, wherein a weir is provided at the upper part of the interior of the wall portion so as to allow the discharge of impurities.

12. The fluid filtering device as claimed in claim 10, wherein a tank is provided below the lower side of the housing so as to store the filtered impurities.